52.)

a.) $p = \frac{1}{2}a - \$1.50$

$p = \frac{1}{2}(6.99) - 1.50$

$p =$

b.) $z = 3w - 7.00$

$z = 3(2.99) - 7.00$

z

c.) $p = 2b - 0.98$

blueberries 2.99
pumpkins 5.00

1 2.99 ____ =5.00

2(2.99) ____ =10.

22.) $\frac{3}{1} \cdot \frac{22-w}{3} = -7 \cdot 3$

D	U
+22	×3
÷3	-22

$22 - w = -21$

$-22 \quad -22$

$(-1) \cdot -w = -43 \cdot (-1)$

$w = 43$

30.)

$$-6m - 8 = 24$$
$$+8 \quad +8$$

$$\frac{-6m}{-6} = \frac{32}{-6}$$

$$m = -5\frac{1}{3}$$

Do	Undo (Solve)
$\cdot(-6)$	$+8$
-8	$\div(-6)$

38.)

$$-\frac{1}{5} - \frac{4}{9}a = \frac{2}{15}$$

$$+\frac{1}{5} \qquad +\frac{1}{5}$$

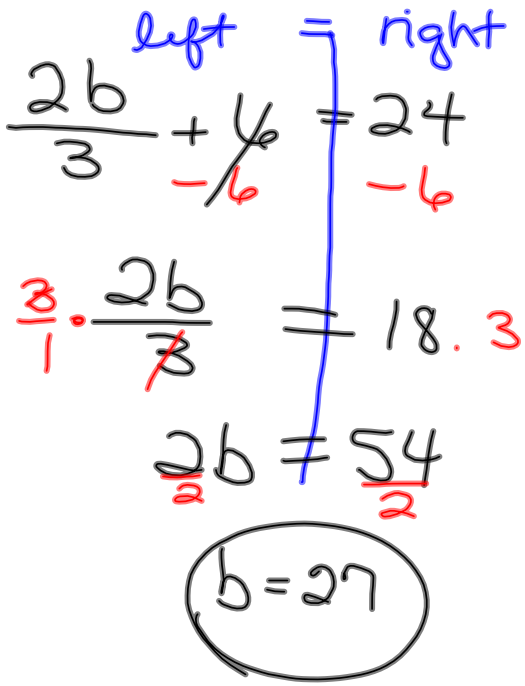
$$-\frac{9}{4} \cdot -\frac{4}{9}a = \frac{1}{3}\left(-\frac{9}{4}\right)^{3}$$

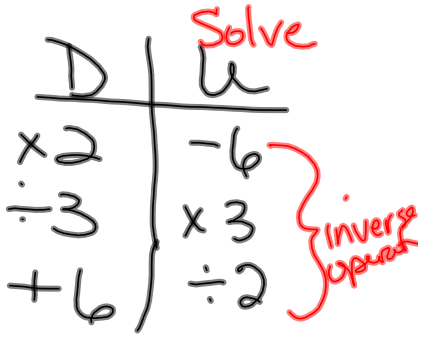
$$a = -\frac{3}{4}$$

PEMDAS SADMEP

D	A
$\cdot -\frac{4}{9}$	$+\frac{1}{5}$
$-\left(\frac{1}{5}\right)$	$\cdot -\frac{9}{4}$

32.


left = right
26/3 + 6 = 24
−6 −6
3/1 · 26/3 = 18 · 3
26 = 54
2 2
b = 27


Solve
D | U
×2 | −6
÷3 | ×3
+6 | ÷2
inverse operations

46) $-8 \cdot 9 = \dfrac{-6b-(-3)}{-8} \cdot -8$

D	u
$\cdot -6$	$\cdot (-8)$
$-(-3)$	-3
$\div (-8)$	$\div (-6)$

$-72 = -6b + 3$

$-3 \quad\quad -3$

$-75 = -6b$

$\overline{-6} \quad \overline{-6}$

$12\frac{1}{2} = b$

Consec. $n, n+1, n+2, n+3$

Consec. odds or evens $n, n+2, n+4, n+6$

wb pg. 20

Three added to a number, then the sum is multiplied by 4 and the answer is 16.

1.)

$$(n+3)4 = 16$$

$$4n + 12 = 16$$
$$-12 \quad -12$$

$$\frac{4n}{4} = \frac{4}{4}$$

$$n = 1$$

2.)

$$\frac{n}{4} + 3 = 24$$
$$-3 \quad -3$$

$$\frac{4}{1} \cdot \frac{n}{4} = 21 \cdot 4$$

$$n = 84$$

D	U
÷4	−3
+3	×4

3.) $5(n-2)=30$

$5n-10=30$

$+10 \quad +10$

$5n=40$

$n=8$

4.

b = # of birds

$\frac{1}{4}b - 2 - 3 = 4$

$\frac{1}{4}b - 5 = 4$

$+5 \quad +5$

$\frac{4}{1} \cdot \frac{1}{4}b = 9 \cdot \frac{4}{1}$

$b = 36$

D	U
$\cdot \frac{1}{4}$	$+5$
-5	$\cdot \frac{4}{1}$

8.) $\frac{u}{5} + 6 = 2$

$-6 \quad -6$

$\frac{5}{1} \cdot \frac{u}{5} = -4 \cdot 5$

$u = -20$

D	u
÷5	−6
+6	−5